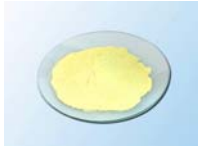




Chem-Metals & Rare Earth

■ Samarium Oxide



material, photosensitive material and ceramic resistor etc.

Samarium Oxide, light yellow powder, easy to absorb moisture, is insoluble in water, but slight soluble in acid. It is mainly used in the manufacture of samarium metal, and also find application in permanent magnet

Formula	Sm ₂ O ₃
Appearance	Light Yellow
Molecular weight	348.8
Density	8.35g/cm ³
Melting Point	2262°C
CAS No.	12060-58-1

No.	Item	Standard Specification	
1	Sm ₂ O ₃ /REO ≥	99.99%	
2	REO ≥	99.0%	
3	Impurity Max each	REO Impurity/REO	La ₂ O ₃ /CeO ₂ /Pr ₆ O ₁₁ /Nd ₂ O ₃ /Eu ₂ O ₃ /Dy ₂ O ₃ 0.0005%
			Er ₂ O ₃ /Tm ₂ O ₃ /Yb ₂ O ₃ /Lu ₂ O ₃ /Y ₂ O ₃ 0.0005%
			Tb ₄ O ₇ /Ho ₂ O ₃ 0.001%
	Other	Fe ₂ O ₃ 0.0005%, SiO ₂ 0.005%, CaO 0.005%, Cl ⁻ 0.05%	
4	Packing	25kgs in plastic/cardboard drum	

■ Terbium Oxide



High Purity Terbium Oxide, brown powder, is insoluble in water, but soluble in acid. It is used in the manufacture of terbium metal, magneto-optic glass, fluorescent powder, additive and plane display plasma etc.

Formula	Tb ₄ O ₇
Appearance	Brown Powder
Molecular weight	747.70
Density	7.30g/cm ³
Melting Point	2340°C
CAS No.	12037-01-3

No.	Item	Standard Specification	
1	Tb ₄ O ₇ /REO ≥	99.9%	99.99%
2	REO ≥	99.0%	99.0%
3	REO Impurity/REO Max	0.1%	0.01%
4	Other Impurity Max	Fe ₂ O ₃	0.002%
		SiO ₂	0.005%
		CaO	0.002%
		Cl ⁻	0.02%
5	Packing	10/25kgs in vacuum plastic bag	